

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 02193913
PUBLICATION DATE : 31-07-90

APPLICATION DATE : 20-01-89
APPLICATION NUMBER : 01009985

APPLICANT : DENKI KAGAKU KOGYO KK;

INVENTOR : SUZUKI HIROYASU;

INT.CL. : A61K 9/08

TITLE : REMOVAL OF PYROGEN

ABSTRACT : **PURPOSE:** To remove pyrogen simply, at low cost and more surely by adsorbing a physiologically active substance mixed with pyrogen by the use of a carrier coordinated with a metallic ion not to adsorb pyrogen and washing the substance with a specific buffer solution.

CONSTITUTION: A physiologically active substance such as lymphotoxin, interferon, lactoferrin, collagenase, fibrinogen or tissue plasminogen activator is adsorbed on a metallic chelate Sepharose carrier (column) shown by the formula M-S-L (M is substrate to hold ligand; L is functional group to coordinate metallic ion; S is spacer to bond functional group L to substrate M) coordinated with a metallic ion such as Z^{2+} , Cu^{2+} or Ni^{2+} , washed with a buffer solution not containing pyrogen and admixed pyrogen is washed away to give a physiologically active substance not containing eluting pyrogen.

COPYRIGHT: (C)1990,JPO&Japio